

ABSTRACT

5 A process for the in situ preparation of chiral compounds derived from oxazaborolidine-borane complexes, wherein a metal borohydride, a Lewis base and an inorganic acid ester are brought together and an optically active amino alcohol and optionally a halide are then added. The compound obtained is a complex that is useful as a catalyst in asymmetric reduction reactions. The reaction is performed by adding the substance to be reduced, particularly prochiral ketones or ether oximes, in order to synthesize chiral alcohols or chiral amines.